

STATE OF CALIFORNIA
REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL COAST REGION

SUPPLEMENTAL SHEET FOR REGULAR MEETING OF DECEMBER 6, 2012
Prepared on November 28, 2012

ITEM NUMBER: 9

SUBJECT: Revision of Waste Discharge Requirements, Reissuance of National Pollutant Discharge Elimination System Permit No. CA0047899 for Montecito Sanitary District, Santa Barbara County, Order No. R3-2012-0016

STAFF CONTACT: Peter von Langen 805/549-3688 or pvonlangen@waterboards.ca.gov

Board Member Question:

Please provide a brief violation history summary under the existing permit for Montecito Sanitary District. Please also explain the significance of these violations for this facility.

Water Board Staff Response:

Water Board staff always includes a Compliance Summary Table in the Fact Sheet of each permit; Table F-5 can be found on page F-10. The following table summarizes the violations of effluent limitations based on data collected from June 2006 through July 2011.

Table F-5. Compliance Summary

Date	Monitoring Period	Violation Type	Pollutant	Reported Value	Permit Limitation	Units
5/2/2007	2 nd Quarter	7-Day Median	Total Coliform	30	23	MPN/100 mL
*1/27/2010	1 st Quarter	7-Day Median	Total Coliform	27	23	MPN/100 mL
*1/29/2010	1 st Quarter	7-Day Median	Total Coliform	27	23	MPN/100 mL
*2/1/2010	1 st Quarter	7-Day Median	Total Coliform	27	23	MPN/100 mL
*2/3/2010	1 st Quarter	7-Day Median	Total Coliform	27	23	MPN/100 mL
**7/9/2010	3 rd Quarter	Single Sample Maximum	Total Coliform	30,000	2,300	MPN/100 mL
*1/3/2011	1 st Quarter	7-Day Median	Total Coliform	30	23	MPN/100 mL
*2/14/2011	1 st Quarter	7-Day Median	Total Coliform	30	23	MPN/100 mL

- *Winter storm events-high plant flows
- **Contract Laboratory error-Dismissed

The Discharger violated numeric effluent limitations multiple times during the term of the previous Order. Most of the events were due to storm events and high influent flows. The total

coliform exceedance on July 9, 2010, was reported by the Discharger and discussed with Water Board staff. Water Board staff agreed that the reported value was not representative of actual conditions and did not require the Discharger to take corrective action.

The Water Board issues mandatory minimum penalties for effluent limit violations pursuant to California Water Code section 13385(i). As described in the State Water Resource Control Board's Water Quality Enforcement Policy: *A serious violation is any waste discharge that exceeds the effluent limit for a Group I pollutant by 40 percent or more, or a Group II pollutant by 20 percent or more. A non-serious violation occurs if the discharger violates an effluent limit four or more times in any period of 180 days.* Total Coliform is considered an "Other" pollutant, not in Group I or Group II, and violation of an effluent limit is considered a non-serious violation. Because the non-serious violation hasn't occurred four or more times in a 180-day period, Montecito Sanitary District is not subject to mandatory minimum penalties per California Water Code Section 13385(i).

STATE OF CALIFORNIA
REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL COAST REGION

BOARD MEMBER QUESTION/ANSWER RESPONSE DOCUMENT

ITEM NUMBER: 10

SUBJECT: Revision of Waste Discharge Requirements, Reissuance of National Pollutant Discharge Elimination System Permit No. CA0047856 for California Department of Corrections and Rehabilitation, California Men's Colony, San Luis Obispo County, Order No. R3-2012-0027

STAFF CONTACT: Katie DiSimone 805/542-4638 or kdisimone@waterboards.ca.gov

Board Member Question:

Please provide a brief summary of violation history under the existing permits for Montecito Sanitary District. Please also explain the significance of these violations for this facility.

Water Board Staff Response:

Water Board staff always includes a Compliance Summary Table in the Fact Sheet of each permit; Table F-5 can be found on page F-7. The following table summarizes the violations of effluent limitations based on data collected from July 2009 through March 2011.

Table F-5. Compliance Summary

Date	Monitoring Period	Violation Type	Pollutant	Reported Value	Permit Limitation	Units
11/25/2010	4th Quarter	Maximum Daily	Chlorine Residual	0.12	<0.1	mg/L
November 2010	4th Quarter	Average Monthly	Copper, Total Recoverable	11	8.5	µg/L
July 2009	3rd Quarter	Interim Average Monthly	Chlorodibromomethane	4.4	3.5	µg/L
August 2009	3rd Quarter	Interim Average Monthly	Chlorodibromomethane	4.4	3.5	µg/L
October 2009	4th Quarter	Interim Average Monthly	Chlorodibromomethane	11	3.5	µg/L
January 2010	1st Quarter	Interim Average Monthly	Chlorodibromomethane	9.3	3.5	µg/L
April 2010	2nd Quarter	Interim Average Monthly	Chlorodibromomethane	4.3	3.5	µg/L
June 2010	2nd Quarter	Final Average Monthly	Chlorodibromomethane	4	0.4	µg/L
6/18/2010	2nd	Final	Chlorodibromomethane	4	0.81	µg/L

Date	Monitoring Period	Violation Type	Pollutant	Reported Value	Permit Limitation	Units
	Quarter	Maximum Daily				
July 2010	3rd Quarter	Final Average Monthly	Chlorodibromomethane	19	0.4	µg/L
7/23/2010	3rd Quarter	Final Maximum Daily	Chlorodibromomethane	19	0.81	µg/L
January 2011	1st Quarter	Final Average Monthly	Chlorodibromomethane	4	0.4	µg/L
1/13/2011	1st Quarter	Final Maximum Daily	Chlorodibromomethane	4	0.81	µg/L
July 2009	3rd Quarter	Interim Average Monthly	Dichlorobromomethane	20	13	µg/L
October 2009	4th Quarter	Interim Average Monthly	Dichlorobromomethane	17	13	µg/L
January 2010	1st Quarter	Interim Average Monthly	Dichlorobromomethane	19	13	µg/L
April 2010	2nd Quarter	Interim Average Monthly	Dichlorobromomethane	17	13	µg/L
June 2010	2nd Quarter	Final Average Monthly	Dichlorobromomethane	17	0.56	µg/L
6/18/2010	2nd Quarter	Final Maximum Daily	Dichlorobromomethane	17	1.1	µg/L
July 2010	3rd Quarter	Final Average Monthly	Dichlorobromomethane	4.3	0.56	µg/L
7/23/2010	3rd Quarter	Final Maximum Daily	Dichlorobromomethane	4.3	1.1	µg/L
November 2010	4th Quarter	Final Average Monthly	Dichlorobromomethane	2.1	0.56	µg/L
11/20/2010	4th Quarter	Final Maximum Daily	Dichlorobromomethane	2.1	1.1	µg/L
January 2011	1st Quarter	Final Average Monthly	Dichlorobromomethane	14	0.56	µg/L
1/13/2011	1st Quarter	Final Maximum Daily	Dichlorobromomethane	14	1.1	µg/L
5/1/2010	2nd Quarter	Maximum Daily	Dissolved Oxygen	0.57	>2.0	mg/L

Date	Monitoring Period	Violation Type	Pollutant	Reported Value	Permit Limitation	Units
January 2010	1st Quarter	Average Monthly	Flow Rate	1.3	1.2	MGD
December 2010	4th Quarter	Average Monthly	Flow Rate	1.4	1.2	MGD
4/15/2010	2nd Quarter	Maximum Daily	Sulfate	130	125	mg/L
11/20/2010	4th Quarter	Maximum Daily	Sulfate	189	125	mg/L

The Discharger violated numeric effluent limitations multiple times during the term of the previous Order. A majority of the violations are related to trihalomethane constituents, a by-product of chlorinated disinfection.

The Water Board issued administrative civil liability orders (ACLs) for a wastewater spill to Chorro Creek and effluent limitation violations during the previous permit term. In January 2008, a power failure caused 20,000 gallons of untreated wastewater to be discharged to Chorro Creek, and the Discharger was assessed a related ACL of \$40,000. Two additional ACLs for effluent limitation violations were issued in February 2009 for a total of \$201,500. In November 2009, the Discharger paid a penalty of \$18,000 for effluent limitation violations subject to mandatory minimum penalties.

Planned Changes

Currently all flow at the Facility is disinfected by sodium hypochlorite and then dechlorinated by sodium bisulfite. The Discharger has begun a disinfection upgrade project to address ongoing trihalomethane and salt effluent violations. With the completion of the disinfection upgrade project, ultraviolet (UV) light will become the primary means of effluent disinfection. The sodium hypochlorite system will continue to be used to provide a chlorine residual to the water that will be used for water recycling activities at the Dairy Creek Golf Course, and for the Facility's plant water used for wash down and maintenance. With the conversion to UV disinfection, the dechlorination system will no longer be used for the treatment process of effluent discharged to Chorro Creek and sodium bisulfite will no longer be on the site.

The Facility began construction of the new UV system beginning in fall 2012 and should be completed within the following 14 to 16 months. Once the system is online, effluent will be disinfected through one channel of UV lights. A second channel of UV lights will be in service during peak flow events. A composite sampler will be installed in each channel that will be flow paced using the channel flow measurement from a Parshall flume.